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ABSTRACT

A middleware program provides an interface between an input channel and a business transaction server. The middleware program receives data and commands from an interface program that is coupled to an input channel. The middleware program validates the data, orders the data, transforms the data into a form required by the server, sends the data to the server, and the middleware program receives the results of the business transaction from the server. The middleware program transforms the results into a form required by the interface program and sends the results to the interface program. The interface program displays the results. The middleware program may reduce the time required to create an interface to a channel. The middleware program moves business logic out of the server or legacy program and into a middle layer that may be easily integrated with many different types of visual or non-visual user interfaces. The architecture of the middleware program allows the middleware program to be easily used with a variety of different types of channels.